

Title (en)
Blade for a gas turbine

Title (de)
Gasturbinenschaufel

Title (fr)
Aube de turbine à gaz

Publication
EP 2180142 A1 20100428 (EN)

Application
EP 08167378 A 20081023

Priority
EP 08167378 A 20081023

Abstract (en)
A blade (10) for a gas turbine comprises an airfoil (11), which extends along a longitudinal axis (21) from a blade root (20) to a blade tip (12), and has a shroud segment (14) at said blade tip (12), which shroud segment (14) abuts with first and second edges against similar shroud segments of adjacent blades to make up a ring-like shroud, whereby said first and second edges are each provided with a respective side rail (18,19) on the upper side of said shroud segment (14). To optimize the mechanical and thermal properties of the shroud segment (14), each of said side rails is subdivided into sections (18,19) of different height and/or width.

IPC 8 full level
F01D 5/22 (2006.01)

CPC (source: EP US)
F01D 5/225 (2013.01 - EP US); **F05B 2240/33** (2013.01 - EP US)

Citation (applicant)
• EP 1591625 A1 20051102 - ALSTOM TECHNOLOGY LTD [CH]
• EP 1890008 A2 20080220 - GEN ELECTRIC [US]

Citation (search report)
• [XY] EP 1890008 A2 20080220 - GEN ELECTRIC [US]
• [DY] EP 1591625 A1 20051102 - ALSTOM TECHNOLOGY LTD [CH]
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• [A] JP 2005207294 A 20050804 - MITSUBISHI HEAVY IND LTD
• [A] US 2005079058 A1 20050414 - PAQUET RENE [CA], et al
• [A] EP 1788195 A2 20070523 - ROLLS ROYCE PLC [GB]

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AL BA MK RS

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